



Physics	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Curriculum Objectives	<p>Explore the natural world around them. Describe what they see, hear and feel while they are outside. Recognise some environments that are different to the one in which they live. Understand the effect of changing seasons on the natural world around them.</p> <p><u>The Natural World ELG</u></p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants (Seasons and weather, observe changes and talk about why the leaves fall off the trees in Autumn.) They make observations and explain why some things occur and talk about changes. (Freezing and melting, look at ice in Winter)</p>	<p><u>Forest School/Holiday</u></p> <ul style="list-style-type: none"> - Observe changes across the four seasons - Observe and describe the seasons 	N/A	<p><u>Mirror Mirror</u></p> <ul style="list-style-type: none"> - Recognise that we need light in order to see things and that dark is the absence of light - Recognise that light from the sun can be dangerous and how to protect eyes - Understand, and find patterns, in shadow formation <p><u>Opposites Attract</u></p> <ul style="list-style-type: none"> - Compare how things move on different surfaces - Group everyday materials on the basis of whether they are attracted to a magnet - Understand magnetic poles 	<p><u>What's that Sound?</u></p> <ul style="list-style-type: none"> - Identify how we hear sounds - Explore patterns in pitch and volume of sounds 	<p><u>Let's Get Moving</u></p> <ul style="list-style-type: none"> - Explain effects of gravity on earth - Identify the effects of forces that act between moving surfaces - Recognise that some mechanisms allow a smaller force to have a greater effect <p><u>Out of This World</u></p> <ul style="list-style-type: none"> - Describe the movement of the planets in the solar system, relative to the sun - Describe the movement of the moon relative to the earth 	<p><u>Let it Shine</u></p> <ul style="list-style-type: none"> - Recognise that light appears to travel in straight lines - Explain that, to see, light travels from light sources, reflects from objects then to our eyes - Explain why shadows have the same shape as the objects that cast them <p><u>Electrifying</u></p> <ul style="list-style-type: none"> - Understand effect of changing number and voltage of cells used in a circuit - Compare and give reasons for variations in how components of a circuit function - Use recognised symbols when representing a simple circuit in a diagram
Vocabulary	Seasons, weather, changes, Autumn.	Autumn, Spring, Summer, Winter <u>Holiday</u> Sunburn, Marine biologist, Pollution	N/A	<p><u>Mirror Mirror</u></p> <p>Dull, Shiny, Reflect, Mirror, Observation, Explanation, Light source, Shadow, Transparent, Translucent, Opaque, Description, Kaleidoscope</p>	<p><u>What's that Sound?</u></p> <p>Vibration Volume Pitch</p>	<p><u>Let's Get Moving</u></p> <p>Gravity, Weight, Newton, Non-contact Isaac newton, Galileo, Friction & Air resistance</p> <p><u>Out of This World</u></p> <p>Solar system, Sun, Star</p>	<p><u>Let it Shine</u></p> <p>Light ray, Cornea, Pupil, Iris, Lens, Reflection, Symmetry, Rainbow</p> <p><u>Electrifying</u></p> <p>Component, Cell, Electrons, Fuse, Blow, Filament, Cell</p>

				<u>Opposites Attract</u> Force, Magnet, Contact Non-contact, Attract, Repel, Magnetic, Non- magnetic, Iron, Pole Magnetic north, Compass, Prediction		Planet, Geocentric, Heliocentric & Timeline	Battery, Renewable, Solar
Enrichment activities	Opportunities for outdoor learning	Opportunities for outdoor learning	N/A	Opportunities for outdoor learning	Opportunities for outdoor learning	Opportunities for outdoor learning Space Camp Planetarium Astronomer Talk	Opportunities for outdoor learning Fuse safety workshop with Mr Lee